

ABSTRACT OF THE DISCLOSURE

To provide a power converter equipped with a current detector which is small and can carry out highly accurate current detection, in the power converter equipped with a power module 16 having a power controlling semiconductor element 7 disposed on the power module base 27 with a ceramic substrate 28 interposed, and a control unit 26 for controlling the operation of the power controlling semiconductor element 7, a current detector 40 having a magnetic detecting unit 47 which is disposed in the detection conductor 11, electrically connected to the power controlling semiconductor element 7 and disposed on the power module base 27 with the ceramic substrate 28 interposed, and has a magnetic detecting semiconductor element 43 electrically connected to the control unit 26 is provided in the power module 16; and relative distance between the detection conductor 11 and the power module base 27 is larger than the relative distance between the current detection electrode 42 and the power module base 27.